

Serial No. 09/862,910

IN THE CLAIMS:

Please ~~cancel~~ claims 2, 11 and 12.

Please amend claims 1-5, 7, 9 and 10 as follows:

1. (Amended) A cooling assembly for an electromechanical device, the assembly comprising:

A¹ a housing having a wall portion;

a magnetic field member disposed within said housing and arranged adjacent said wall portion;

a shaft having windings located within said magnetic field member with an electrical current flowing through said windings coacting with said magnetic field member, wherein at least one of said magnetic field member and said windings produces heat; and

a helical cooling coil defining a fluid conduit arranged adjacent said magnetic field member for removing said heat, wherein said coil is disposed between said wall portion and said magnetic field member.

A² 3. The assembly according to claim 1, wherein said coil is secured to said windings.

4. The assembly according to claim 1, wherein a thin shell is arranged adjacent to said windings with said coil secured to said shell.

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A¹
5. (Amended) The assembly according to claim 4, wherein a brazed joint connects said coils to said shell.

7. (New) A cooling assembly for an electromechanical device, the assembly comprising:

a housing having a wall portion;

a magnetic field member disposed within said housing and arranged adjacent said wall portion;

A²
a shaft having windings located within said magnetic field member with an electrical current flowing through said windings coacting with said magnetic field member, wherein at least one of said magnetic field member and said windings produces heat; and

a helical cooling coil defining a fluid conduit arranged adjacent said magnetic field member for removing said heat, wherein said wall portion is disposed between said coil and said windings with said coils secured to said wall portion with a mechanical fastening element.

A³
9. (Amended) The assembly according to claim 7, wherein rotation of said shaft produces a current in said magnetic field member.

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10. (Amended) A method of cooling generator comprising the steps of:

- A³
- a) producing heat in the generator having a temperature;
 - b) pumping fluid through a helical coil arranged about a portion of the generator; and
 - c) absorbing the heat in the fluid to reduce the temperature.

Please add the following new claim:

A⁴ Sub 131

13. (New) The assembly according to claim 7, wherein said mechanical fastening element is a brazed joint connecting said coils to said shell.
